LISTING OF THE CLAIMS:

1. (Currently Amended) An object oriented computing system in an object oriented computing platform environment comprising:

a computing platform;

a plurality of objects residing on said computing platform, each of said objects including an object frame containing data attributes and at least one object method which performs actions on the associated object, said objects being arranged in an inheritance hierarchy of objects to define parent and child objects such that child objects inherit the data attributes and methods of parent objects and to further define objects in said inheritance hierarchy which are unrelated as parent and child objects such that unrelated objects do not inherit the data attributes and method of each other;

an object manager which sends messages to said objects to perform actions on the associated object frame using the associated object messages;

means, executing on said computing platform and responsive to a user request, for grouping selected ones of said objects in said inheritance hierarchy which are unrelated to each other as parent and child objects, into a plurality of Complex Objects; and

a visual support means to display visually predefined aspects of the attributes and relationships of the objects and complex objects to allow programmatic support for data navigation, presentation and

manipulation, the visual support means including a quick view means for selecting ~~adding~~ columns from one table to be included as columns in a second, viewed table, the quick view means including

i) a custom editor including a list of database tables, each of said database tables including at least one data field that is in another of said database tables

ii) mapping means to map from each of said database tables to another of said database tables using one of the data fields of said each of said database tables,

whereby a designer can select which data of said one table can be included as a quick view column in the second viewed table.

2. (Original) A system according to Claim 1, wherein the visual support means includes visual support to define a simple object which participates in a complex object.

3. (Original) A system according to Claim 1, wherein the visual support means includes visual support for presentation and manipulation of normalized data.

4. (Original) A system according to Claim 1, wherein the visual support means includes visual support for computed fields.

5. (Original) A system according to Claim 1, wherein the visual support means includes visual support for summary fields.

6. (Previously Presented) A method for performing actions on objects in an object oriented computing system on a computing platform, including a plurality of objects in said object oriented computing system, each object including an object frame containing data attributes and at least one object method for performing actions on the associated object, said objects being arranged in an inheritance hierarchy of objects to define parent and child objects such that child objects inherit the data attributes and methods of parent objects and to further define objects in said inheritance hierarchy which are unrelated as parent and child objects such that unrelated objects do not inherit the data attributes and methods of each other, said object oriented computing system further including an object manager for sending messages to said object to perform actions on the associated object frame using the associated object messages; said action performing method comprising the following steps which are performed by said object oriented computing system in response to a user request;

grouping selected ones of said objects in said inheritance hierarchy which are unrelated to each other as parent and child objects, into a plurality of Complex Objects; and

providing visual support to display visually predefined aspects of the attributes and relationships of the objects and complex objects to allow programmatic support for data navigation, presentation and manipulation, including providing a quick view support for selecting columns from one table to be included as columns in a second, viewed table, the quick view support including

i) a custom editor including a list of database tables, each of said database tables including at least one data field that is in another of said database tables

ii) mapping means to map from each of said database tables to another of said database tables using one of the data fields of said each of said database tables,

whereby a designer can select which data of said one table can be included as a quick view column in the second viewed table.

7. (Original) A method according to Claim 6, wherein the providing step includes the step of providing visual support to define a simple object which participates in a complex object.

8. (Original) A method according to Claim 6, wherein the providing step includes the step of providing visual support for presentation and manipulation of normalized data.

9. (Original) A method according to Claim 6, wherein the providing step includes the step of providing visual support for computed fields.

10. (Original) A method according to Claim 6, wherein the providing step includes the step of providing visual support for summary fields.

11. (Currently Amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for performing actions on objects in an object oriented computing system on a computing platform, including a plurality of objects in said object oriented computing system, each object including an object frame containing data attributes and at least one object method for performing actions on the associated object, said

objects being arranged in an inheritance hierarchy of objects to define parent and child objects such that child objects inherit the data attributes and methods of parent objects and to further define objects in said inheritance hierarchy which are unrelated as parent and child objects such that unrelated objects do not inherit the data attributes and methods of each other, said object oriented computing system further including an object manager for sending messages to said object to perform actions on the associated object frame using the associated object messages; said action performing method comprising the following steps which are performed by said object oriented computing system in response to a user request;

grouping selected ones of said objects in said inheritance hierarchy which are unrelated to each other as parent and child objects, into a plurality of Complex Objects; and

providing visual support to display visually predefined aspects of the attributes and relationships of the objects and complex objects to allow programmatic support for data navigation, presentation and manipulation, including providing a quick view support for selecting columns from one table to be included as columns in a second, viewed table, the quick view support including

i) a custom editor including a list of database tables, each of said database tables including at least one data field that is in another of said database tables

ii) mapping means to map from each of said database tables to another of said database tables using one of the data fields of said each of said database tables,

whereby a designer can select which data of said one table can be included as a quick view column in the second viewed table.

12. (Original) A program storage device according to Claim 11, wherein the providing step includes the step of providing visual support to define a simple object which participates in a complex object.

13. (Original) A program storage device according to Claim 11, wherein the providing step includes the step of providing visual support for presentation and manipulation of normalized data.

14. (Original) A program storage device according to Claim 11, wherein the providing step includes the step of providing visual support for computed fields.

15. (Original) A program storage device according to Claim 11, wherein the providing step includes the step of providing visual support for summary fields.

16. (Previously Presented) A computing system according to Claim 1, wherein:

the visual support means includes means to display first and second linked database tables; and

the custom editor includes

i) means to enable a user to select a data field of the second of the displayed database tables, and

ii) means, acting in response to said selection, to add the selected data field as a column in the first of the displayed database tables.

17. (Previously Presented) A computing system according to Claim 1, wherein:

the visual support means includes means to display first and second linked database tables; and

the custom editor includes

i) means to enable a user to select a data field of the second of the displayed database tables, and

ii) means, acting in response to said selection, to substitute the selected data field for one of the columns in the first of the displayed database tables.

18. (Previously Presented) A system according to Claim 4, wherein:

said second of the tables includes a plurality of columns having data; and

said computed field includes a value compiled using data from said plurality of columns.